OFE 0 7 2001 PE Form PTO-1449

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Attorney Docket No. 062004-1740

Serial No. 09/924,128

Applicant Barry, et al.

8/7/01

Filing Date

Group

To be assigned

				0///01		1 10 0	e assigned			
			U.S. PA	TENT DOCUMENTS						
Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate			
1, V	A	Brandenburg, et al., "The Bell System Technical Journal", May-June 1974, Pages 745-779.								
- 1	В	Sung, et al., "Apendix C: Space-Time Processing with Channel Knowledge in Array-To-Array Communications"								
1. N		June 9, 2000, Pages	June 9, 2000, Pages 1-6.							
1.0	С	Sung, et al., "Space-	Sung, et al., "Space-Time Processing with Channel Knowledge at the Transmitter", Pages 26-29.							
/, W	D	Sung, et al., "A Comparison of Alamouti's Scheme to an SVD Scheme for Array-To-Array Communications",								
/(, 0		September 20, 2001, Pages 1-6.								
لن ي/	E	Sung, et al., "A Simple and Adaptive Channel Diagonalizer for Optimal Space-Time Processing", May 1, 2001,								
7(. 0		Pages 0-5.								
ر ن	F	Sung, et al., "Optim	November 2	, 1999,						
100		Pages 0-8.								
1. W	G	Sung, et al., "Space-	-Time Technique	Based on the SVD for Broad-Ban	d Communica	ations", April	25, 2001,			
/(.**		Pages 0-8.								
1. W	Н	Causey, et al., "Blin	d Multiuser Dete	ection Using Linear Predication", D	ecember 199	98, Pages 170	2-1710.			
7. W	I	Reial, et al., "Capac	ity-Maximizing	Transmitter Processing for Fading	Matrix Chann	nels", Pages 6	-10.			
/ı, W	J	Tarokh, et al., "Space-Time Block Codes from Orthogonal Designs", July 1999, Pages 1456-146								
1.01	K	Gerald J. Roschini,	"Layered Space-	Time Architecture for Wireless Con	mmunication	in a Fading E	invironment			
(()		When Using Multi-	Element Antenna	as", Autumn 1996, Pages 41-59.						
* EYAMINED	· Initial if	citation considered who	ether or not citatio	n is in conformance with MPEP 8 609	Draw line thr	ough citation i	f not in			

\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

EXAMINER'S SIGNATURE:

DATE CONSIDERED:

Patent and Trademark Office; U. S. DÉPARTMENT OF COMMERCE

DEC 0 7 200 H

(Use several sheets if necessary)

Form PTO-1449

## INFORMATION DISCLOSURE CITATION

Attorney Docket No. Serial No. 062004-1740 09/924,128

Applicant Barry, et al.

Filing Date Group
8/7/01 To be assigned

					8///01		100	e assigned	
			U.S. PA	TENT DOCUMENTS	3				
Examiner Initials	Item	Document Number	Date	Name		Class	Subclass	Filing Date If Appropriate	
1.2	L	Tarokh, et al., "Space-Time Codes for High Data Rate Wireless Communication: Performance Criterion and							
		Code Construction"	, March 1998, Pa	nges 744-765.					
1,W	М	Raleigh, et al., "Spatio-Temporal Coding for Wireless Communication", March 1998, Pages 357-366.							
7 W	N		ti, "A Simple Tra	ansmit Diversity Techni	que for Wireles	s Commu	nications", C	October 1998,	
~(, '	<u> </u>	Pages 1451-1458							
1.W	0	Ng, et al., "Complex	x Optimal Sequer	nces with Constant Mag	nitude for Fast (	Channel E	Estimation In	itialization",	
		March 1998, Pages	305-308.						
1,00	P	Tufvesson, et al., "7	Time and Frequer	ncy Synchronization for	OFDM using P	N-Sequer	nce Preamble	s", Pages	
		2203-220]							
1,2	Q	Mody, et al., "Parameter Estimation for OFDM with Transmit Receive Diversity", Pages 820-824.							
1,00	R	Berrou, et al., "Nea	r Shannon Limit	Error - Correcting Codi	ng and Decodin	g: Turbo-	Codes (1)",	Pages 1064 -	
		1070.						······································	
1.00	S	MacKay, et al., "Ne	ar Shannon Limi	t Performance of Low I	Density Parity C	heck Cod	es", August	1996,	
		Pages 1645 - 1646.							
1.01	Т	David J C. MacKay	, "Good Error-Co	orrecting Codes Based	on Vary Sparse	Matrices"	, March 199	9, Pages 399 -	
		431.							
100	U	Dent, et al., "Jakes	Fading Model Re	evisited", June 1993, Pa	ges 1162-1163.				
1	V	Stuber, et al., "Terro	estrial Digital Vic	deo Broadcasting for M	obile Reception	Using O	FDM", Pages	s 2049-2053.	
/\ `		Guoci, et al., Tent	Couldi Digital VII	aco Dioaceasing for W		OSING O	. 2 , 1 450.		

\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

EXAMINER'S SIGNATURE:

DATE CONSIDERED:

Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

.·•	OEC 0 7 2001 E	
Form PTO-1449	TA, SO	
	MADEMARK	
	# A TOTAL DECAY	

MAUEN
INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Attorney Docket No. Serial No. 062004-1740 09/924,128

Applicant

Barry, et al.

Filing Date Group
8/7/01 To be assigned

								e assigned	
			U.S. PAT	TENT DOCUMEN	TS				
Examiner Initials	ltem	Document Number	Date	Nam	ie	Class	Subclass	Filing Date If Appropriate	
1,3	W	Li, et al., "Channel Estimation for OFDM Systems with Transmitter Diversity in Mobile Wireless Channels",							
		March 1999, Pages 461-471.							
1, W	Х	Hochwald, et al., "Unitary Space-Time Modulation for Multiple-Antenna Communications in Rayleight Flat							
		Fading", March 2000, Pages 543-564.							
1, W	Y	Suehiro, et al., "Modulatable Orthogonal Sequences and their Application to SSMA Systems", January 1988,							
		Pages 93-100.							
1, w	Z	Schmidl, et al., "Ro	bust Frequency a	nd Timing Synchroni	zation for OFDM	", Decem	ber 1997, Pa	ges 1613-1621.	
1, W 1, W	aa	Barry, et al., "Yama	acraw Wireless Pi	rototyping Air Interfa	ce Group Annual	Report".			
~w	bb	Richard Todd Caus	ey, "Blind Multis	suer Detection Based	on Second-Order	Statistics'	', <b>J</b> uly 30, 19	99, Pages 1-	
100	!	239.							
	сс	i i					•		
•		, A.							
	đd								
			·						
	ee			·			<del></del>		
	ff								
	gg								

• EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in

conformance and not considered. Include copy of this form with next communication to the applicant.

**EXAMINER'S SIGNATURE:** 

Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

DATE CONSIDERED: